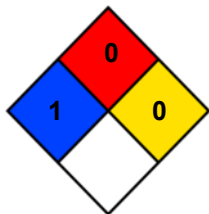




# SAFETY DATA SHEET

## FERTILGOLD® SOLUBLE POWDER

REV A 2/3/2020



HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	A

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<b>PRODUCT IDENTIFIER:</b> FERTILGOLD® SOLUBLE POWDER	<b>Product #2648</b>
<b>GENERAL USE:</b> Used as a part of a plant nutrition program.	
<b>PRODUCT DESCRIPTION:</b> A brown to black powder having a mild characteristic odor.	
<b>SUPPLIER INFORMATION:</b>	<b>EMERGENCY PHONE NUMBERS</b>
<b>Bio Huma Netics® Inc.</b> 1331 W Houston Avenue Gilbert, AZ 85233  <b>For Additional SDS call:</b> (480) 961-1220  <b>PHONE: (480) 961-1220</b>	<b>CHEMTREC: (In the USA) 800-424-9300</b> <b>(International) 703-527-3887</b>

### SECTION 2: HAZARDS IDENTIFICATION

<b>HAZARDS OVERVIEW:</b>	A brown to black powder having a mild characteristic odor. Ingestion of this product may cause gastrointestinal irritation or pain  <b>CLASSIFICATION:</b> MILD SKIN IRRITATION – HAZARD CATEGORY 3 <b>SIGNAL WORD:</b> WARNING <b>HAZARD STATEMENT:</b> H316 - WARNING - causes mild skin irritation <b>PRECAUTIONARY STATEMENT:</b> P332+P313; If skin irritation occurs: Get medical attention/advice.
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### SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

COMPONENT	CAS #	OSHA HAZARD	WT %	ACGIH		OSHA	
				TLV <sub>(TWA)</sub>	STEL	PEL <sub>(TWA)</sub>	STEL
Humic Acid (potassium salt)	68514-28-3	Combustible/nuisance dust	≥ 92%	None	None	5mg/m3 (respirable)	None
Water	7732-18-5	None	≤8%	None	None	None	None
Silica, crystalline, quartz	14808-60-7	Inhalation	<0.5%	0.025 mg/m3 TWA (respirable dust)	None	10 mg/m3 %SiO2 + 2 TWA (respirable dust) 30 mg/m3 %SiO2 + 2 TWA (total dust)	None

NDA = No Data Available      N/A = Not Applicable

#### SECTION 4: FIRST AID MEASURES

<b>INHALATION:</b>	If inhaled, immediately move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
<b>EYE CONTACT:</b>	In case of contact, immediately flush eyes with plenty of clean running water for at least 15 minutes, lifting the upper and lower lids occasionally. Remove contact lenses, if worn. Get medical attention if irritation persists.
<b>SKIN CONTACT:</b>	In case of contact, flush skin with plenty of clean running water. Remove contaminated clothing and shoes and wash before reuse. If irritation occurs and persists, get medical attention.
<b>INGESTION:</b>	If swallowed, rinse mouth and slowly drink 1 to 2 glasses of water. Never give anything by mouth to an unconscious person.
<b>NOTE TO PHYSICIANS:</b>	Treat exposure symptomatically.

#### SECTION 5: FIRE FIGHTING MEASURES

<b>Flashpoint and Method:</b>	This product does not flash.		
<b>Flammable Limits (in air, % by volume)</b>	<b>Lower:</b> Not applicable	<b>Upper:</b> Not applicable	
<b>Autoignition Temperature:</b>	Not applicable		
<b>GENERAL HAZARD:</b>	This product may form combustible dust concentrations in the air. The Uniform Fire Code health hazard classification for this product is: <b>Irritant</b> .		
<b>FIRE FIGHTING INSTRUCTIONS:</b>	<b>EXTINGUISHING MEDIA:</b> Water, foam, CO <sub>2</sub> or dry chemicals. Use a water spray or fog to cool the containers exposed to the heat of a fire.		
<b>FIRE FIGHTING EQUIPMENT:</b>	Fire fighters should wear full protective equipment, including self-contained breathing apparatus.		
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	When heated to dryness and decomposition, it emits toxic carbon monoxide, carbon dioxide.		

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>RELEASE TO LAND:</b>	This material/product is naturally occurring and if spilled does not pose a risk to the environment.
<b>RELEASE TO WATER:</b>	This material/product is naturally occurring and if spilled does not pose a risk to the environment.

#### SECTION 7: HANDLING AND STORAGE

<b>STORAGE TEMPERATURE:</b>	Ambient	<b>STORAGE PRESSURE:</b>	Ambient
<b>GENERAL:</b>	Store in a cool, dry, well-ventilated area, away from incompatible materials and products. Protect eyes, skin and clothing from contact with product. Wear recommended personal protective equipment when handling this product. Avoid breathing dusts. Use with adequate ventilation. Do not take internally. Keep the container tightly closed when not in use. Wash thoroughly after handling this product.		

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**CONTROL MEASURES:** Use a local or general, mechanical exhaust ventilation system capable of maintaining dust emissions, in the work area, above the AIHA WEEL or levels that may cause irritation.

### RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATOR:** For exposure above the ACGIH-TLV, AIHA-WEEL or OSHA-PEL, wear a NIOSH-approved full facepiece or half mask air-purifying cartridge respirator equipped with a good mist / particulate filter cartridge or supplied air. **Note:** Always consult the respirator manufacturer's data when determining the suitability of respiratory protective devices prior to use.

**EYES:** Wear safety glasses as needed. **Note:** Always consult the protective eyewear manufacturer's data when determining the suitability of protective eyewear prior to use.

**GLOVES:** Gloves are not required however if needed use Neoprene, Nitrile, Butyl Rubber or Natural Rubber gloves. **Note:** Always consult the glove manufacturer's permeation data when determining the suitability of gloves prior to use.

**CLOTHING & EQUIPMENT:** Protective clothing is not required when handling this product. An eye wash station and safety shower should be available in the work area. **Note:** Always consult the clothing/equipment manufacturer's permeation data when determining the suitability of clothing/equipment prior to use.

**FOOTWEAR:** Wear steel-toed safety shoes as needed. **Note:** Always consult the footwear manufacturer's permeation data when determining the suitability of footwear prior to use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Brown	<b>Bulk Density (pounds/ft<sup>3</sup>):</b>	Not applicable
<b>Physical State:</b>	Powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	A mild characteristic odor	<b>Vapor Density (air=1):</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate (n-Butyl Acetate=1):</b>	Not applicable
<b>Molecular Formula:</b>	Mixture	<b>VOC Content/Organic Matter:</b>	No data available
<b>Molecular Weight:</b>	Not applicable	<b>% Volatile:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable	<b>Solubility in H<sub>2</sub>O:</b>	Slightly soluble
<b>Freezing/Melting Point:</b>	Not applicable	<b>Octanol/Water Partition Coefficient:</b>	No data available
<b>Specific Gravity:</b>	Not applicable	<b>pH (as is):</b>	Not applicable
<b>Density (pounds/gallon):</b>	Not applicable	<b>pH (solution for use):</b>	8.0 – 10.0

## SECTION 10: STABILITY AND REACTIVITY

**GENERAL:** This product is stable and hazardous polymerization will not occur.

**CONDITIONS TO AVOID:** Avoid creation/accumulation of dust

**INCOMPATIBLE MATERIAL:** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** When heated to dryness and decomposition, toxic oxides of carbon with trace or ultra-trace toxic oxide amounts, of sulfur, potassium, iron, manganese, magnesium, calcium, zinc and sodium.

**SENSITIVITY TO MECHANICAL IMPACT:** This product is not sensitive to mechanical impact.

**SENSITIVITY TO STATIC DISCHARGE:** This product in its normal state is not sensitive to static discharge, however if this product becomes airborne creating combustible dust concentrations it may become sensitive to static discharge. To avoid such conditions ensure dust is kept to a minimum by using the appropriate engineering controls (general and point source ventilation system) when handling this product.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Components:</b>	<b><u>Humic Acid (potassium salt)</u></b>	<b><u>Silica, crystalline, quartz</u></b>
<b>Eye Contact:</b>	May cause slight irritation	Particulates may cause abrasive injury
<b>Skin Contact:</b>	May cause slight irritation	No adverse effects are expected
<b>Oral Rat LD<sub>50</sub>:</b>	>5,000 mg/kg	No data available
<b>Dermal Rabbit LD<sub>50</sub>:</b>	No data available	No data available
<b>Inhalation Rat LC<sub>50</sub>:</b>	No data available	No data available
<b>Human Data:</b>	No data available	Known to be a human carcinogen
<b>Other Toxicological Data:</b>	No data available	No data available
<b>Carcinogenicity:</b>	No data available	NTP classifies "Silica, Crystalline (respirable size)" as Known to be a human carcinogen
<b>Teratogenicity:</b>	No data available	No data available
<b>Mutagenicity:</b>	No data available	No data available
<b>Synergistic Products:</b>	None reported	No data available
<b>Target Organs:</b>	Skin	Lungs
<b>Medical Conditions Aggravated By Exposure:</b>	Skin or Respiratory disorders	Respiratory disorders

## SECTION 12: ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE:

This product is soluble in water and will not affect the pH of water. No specific environmental fate data is available.

### ENVIRONMENTAL CONSIDERATIONS:

The aquatic toxicity for this product has not been determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

**RCRA 40 CFR 261 CLASSIFICATION:** Non-RCRA Hazardous Waste (United States)

**U.S. EPA WASTE NUMBER/DESCRIPTION:** Not Applicable

If this product is disposed of as shipped, it does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of a hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D due to toxicity. As a non-RCRA hazardous liquid waste, it should be disposed of in accordance with all local, state, and federal regulations. Consult state or local officials for proper disposal method.

## SECTION 14: TRANSPORTATION INFORMATION

<b>DOT PROPER SHIPPING NAME:</b>	Not DOT Regulated (United States)	<b>UN Number:</b>	N/A	<b>Packing Group:</b>	N/A
	<b>Hazard Class:</b> Not applicable				
	<b>Primary Label:</b> Not applicable	<b>Subsidiary Label(s):</b>	None Required		
	<b>Primary/Subsidiary Placards:</b>	None Required			
<b>DOT Reportable Quantity (RQ):</b>	Not Listed	<b>RQ for Product:</b>	Not Applicable		
<b>Marine Pollutant:</b>	No				
<b>2012 North American Emergency Response Guidebook No.:</b>	Not applicable				
<b>TDG PROPER SHIPPING NAME:</b>	NOT RESTRICTED				
	<b>Hazard Class:</b> Not applicable	<b>UN Number:</b>	N/A		
	<b>Primary Label:</b> None Required	<b>Subsidiary Label(s):</b>	None Required		
	<b>Primary/Subsidiary Placards:</b>	None required			
<b>TDG Reportable Quantity (RQ): *</b>	Not applicable				
<b>TDG Schedule XII:</b>	Not applicable				
<b>Regulated Limit (RL): **</b>	Not Listed	<b>RL for Product:</b>	Not Applicable		
<b>Other Shipping Information:</b>	None				

\* Canadian Transportation of Dangerous Goods Regulations (TDGR), Part IX, Table I, Quantities or levels for Immediate Reporting: releases of reportable quantities, RQ, that meet the definition of a "dangerous occurrence" (a threat to life, health, property, or the environment) must be reported to the appropriate authorities as outlined in TDGR 9.13(1) and 9.14(1). \*\* Reporting to Environment Canada is required for any releases exceeding the regulated limits, RL, of 9.2 materials (primary or secondary). The regulated limits are found in Schedule XIII of the TDGR.

## SECTION 15: REGULATORY INFORMATION

<b>COMPONENTS:</b>	<u>Humic Acid (potassium salt)</u>	<u>Silica, crystalline, quartz</u>
<b>OSHA Target Organs:</b>	Eyes and Lungs	Lungs
<b><u>Carcinogenic Potential:</u></b>		
<b>Regulated by OSHA:</b>	No	Yes
<b>Listed on NTP Report:</b>	No	Yes
<b>Listed by IARC:</b>	No	Yes
<b>IARC Group:</b>	Not applicable	Group 1
<b>ACGIH Appendix A:</b>	Not listed	Listed
<b>A1 Confirmed Human:</b>	Not applicable	Yes
<b>A2 Suspected Human:</b>	Not applicable	Not applicable

### U.S. EPA Requirements

#### Release Reporting

##### CERCLA (40 CFR 302)

<b>Listed Substance:</b>	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable
Category:	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not applicable
<b>Unlisted Substance:</b>	Not applicable	Not applicable
Reportable Quantity:	Not applicable	Not applicable
Characteristic:	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not applicable

## SECTION 15: REGULATORY INFORMATION (Continued from page 5)

**COMPONENTS:** Humic Acid (potassium salt) Silica, crystalline, quartz

### SARA TITLE III

**Section 302 & 303 (40 CFR 355):**

<b>Listed Substance:</b>	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable
Planning Threshold:	Not applicable	Not applicable

**Section 311 & 312 (40 CFR 370):**

Hazard Categories (product):	<b>Fire:</b> <u>N</u>	<b>Sudden Release of Pressure:</b> <u>N</u>	<b>Reactive:</b> <u>N</u>	<b>Acute Health:</b> <u>Y</u>	<b>Chronic Health:</b> <u>N</u>
Planning threshold:	NA		NA		

**Section 313 (40 CFR 372):**

<b>Listed Toxic Chemical:</b>	No	No
Reporting Threshold:	NA	NA

### U.S. TSCA Status

<b>Listed (40 CFR 710):</b>	No	Yes
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### State Regulations

**State of California: Safe Drinking Water and Toxins Enforcement Act, 1986 (Proposition 65):**

Carcinogen:	No	Yes
Reproductive Toxin:	No	No

### Other Regulations

<b>State Right To Know Laws:</b>	None Known	CA, MA, PA, TX
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### Canadian Regulations

<b>Product Information:</b>		
Controlled Product:	<b>No</b>	<b>Yes</b>
WHMIS Hazard Symbols:	<b>NA</b>	<b>NA</b>
WHMIS Class & Division:	<b>NA</b>	<b>D2A</b>

**Ingredient Information:**

IDL Substance:	No	No
DSL or NDSL Lists:	None	Yes

## SECTION 16: OTHER INFORMATION

**EPA Registration number:** Not applicable

**Approved Product Uses:** Used as part of a plant nutrition program.

**Special Notes:**

This product is not manufactured, or formulated to contain substances, which the State of California has found to cause cancer and/or birth defects or other reproductive harm. However, as it contains mined minerals, this product may contain trace (parts per million) or ultra-trace (parts per billion) of elements known to the State of California to cause cancer, birth defects or other reproductive harm.

**Special Instructions:** Store FERTILGOLD® SOLUBLE POWDER in a cool, dry, well ventilated, area away from incompatible materials and products. Do not add this product to strong oxidizers.

**SDS Revision Information:** Revised Date:

**SDS Distributed by:** Bio Huma Netics, Inc.

<b>Prepared By:</b>	Anna Carpenter	<b>Date Prepared:</b>	February 3, 2020
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